SYNTHETIC OLIGONUCLEOTIDE:

- 31 ACCAGATCTATGGAATGGACCTGGGTTTTTC
- 32 CCCAAGCTTGGTTTTGGAGATGGTTTTCTC
- 33 GATAAGCTTGGTCCTACTCCTCCTCCTA
- 34 AATCTCGAGTCAGTAGCAGATGCCATCTCC
- 35 GGAAAGCTTTGTACATATGCAAGGCTTACA

AMPLIFICATION BY PCR:

GUYS 13

 $\frac{J_1}{J_2} + \frac{J_2}{J_2}$

Var Cy1 Cy2 Cy3

MOPC 315

RECOMBINANT HEAVY CHAINS:

PLANT G13

 $\bigvee Var Cy1 Cy2 Cy3$

PLANT G1/A

Var Cy1 Ca2 Ca3

PLANT G2/A

Var C_γ1 C_γ2 C_α2 C_α3

Fig 1